TECHNICAL REQUIREMENTS TO ATTEND EIPM LEARNING SESSIONS ONLINE

DEVICE & BROWSERS:

Computer:
- 1GB RAM free
- Computer screen resolution > 1024*768 pixels
- Internet Browser installed (see below for specific browser requirements)
- Headset or loudspeakers
- Webcam (recommended)

Supported web browsers with the virtual class:
- Chrome v56 or higher
- Firefox v59 or higher
- Edge v80 or higher*
- Safari v9 or higher*
* in case of malfunction, please use Chrome or Firefox

We highly recommend using CHROME or FIREFOX with the following setup:
- Cookies allowed
- Javascript allowed
- No pop-up blocker

VIRTUAL CLASSES:
- EIPM default virtual class tool - ZOOM
- EIPM alternative virtual class tool - TEAMS (upon company request)
- please consult the following pages for related specs

E-MODULE SCORM FORMATS:
- Scorm 2004 (EIPM’s default & recommended format)
- Scorm 1.2 (e-modules can be supplied in Scorm 1.2 should client LMS not accept the upgraded 2004 format)
ZOOM - virtual class tool

System requirements
- An internet connection – broadband wired or wireless (3G or 4G/LTE)
- Speakers and a microphone – built-in, USB plug-in, or wireless Bluetooth
- A webcam

Supported operating systems
- macOS X with macOS X or later
- Windows 10 Home, Pro, or Enterprise (S Mode is not supported)
- Windows 7 / 8 or 8.1
- Ubuntu 12.04 or higher
- Mint 17.1 or higher
- Red Hat Enterprise Linux 6.4 or higher
- Oracle Linux 6.4 or higher
- CentOS 6.4 or higher
- Fedora 21 or higher
- OpenSUSE 13.2 or higher
- ArchLinux (64-bit only)

Supported tablet and mobile devices
- iOS and Android devices
- Blackberry devices
- Surface PRO 2 or higher, running Windows 8.1 or higher

Supported browsers
- Chrome: within 2 versions of current version
- Firefox: within 2 versions of current version
- Safari: within 2 versions of current version
- Edge: within 2 versions of current version

Processor and RAM requirements

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Recommended</th>
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</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Single-core 1Ghz or higher</td>
<td>Dual-core 2Ghz or higher (Intel i3/i5/i7 or AMD equivalent)</td>
</tr>
<tr>
<td>RAM</td>
<td>N/A</td>
<td>4 Gb</td>
</tr>
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Bandwidth requirements
Recommended bandwidth for meeting attendees:
- For panelists video on:
  - ~600kbps (down) for high-quality video
  - ~1.2-1.8Mbps (down) for 720p HD video
  - ~2-3Mbps (down) for 1080p HD video
- For screen sharing only (no video thumbnail): 50-75kbps (down)
- For screen sharing with video thumbnail: 50-150kbps (down)
- For audio VoIP: 60-80kbps (down)
Microsoft Teams

TEAMS - virtual class tool

System requirements
- An internet connection – broadband wired or wireless (3G or 4G/LTE)
- Speakers and a microphone – built-in, USB plug-in, or wireless Bluetooth
- A webcam

Supported operating systems
- Windows 10 or 11
- macOS X – one of the 3 most recent versions

Supported tablet and mobile devices
- Android devices – one of the 4 most recent versions
- iOS devices – one of the 2 most recent versions

Supported browsers
- Chrome: the latest version plus 2
- Firefox: the latest version plus 2
- Safari: the latest version plus 2
- Edge: the latest version plus 2

Processor and RAM requirements

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</tr>
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<tbody>
<tr>
<td>Processor</td>
<td>Single-core 1Ghz or higher (PC) / Intel Core Duo processor (Mac)</td>
<td>Dual-core 2Ghz or higher (Intel i3/i5/i7 or AMD equivalent)</td>
</tr>
<tr>
<td>RAM</td>
<td>N/A</td>
<td>4 GB</td>
</tr>
</tbody>
</table>

Bandwidth requirements

Recommended bandwidth for meeting attendees:
- For panelists video on:
  - 500kbp (down) for 360p peer-to-peer HD video
  - 1.2-1.5Mbps (down) for 720p-1080p peer-to-peer HD video
  - 1-2Mbps (down) for 1080p group HD video
- For screen sharing only (no video thumbnail): 50-75kbp (down)
- Peer-to-peer audio calling and screen sharing: 130kbp (down)
- For audio VoiP: 30kbp (down) peer-to-peer audio calling